

Exhibit 300 (BY2010)

PART ONE	
OVERVIEW	
1. Date of Submission:	2008-09-08
2. Agency:	026
3. Bureau:	00
4. Name of this Capital Asset:	JSC Space Shuttle Program Integration
5. Unique Project Identifier:	026-00-01-05-01-1419-00
6. What kind of investment will this be in FY2010?	
Operations and Maintenance	
7. What was the first budget year this investment was submitted to OMB?	
FY2004	
8. Provide a brief summary and justification for this investment, including a brief description of how this closes in part or in whole an identified agency performance gap.	
<p>Space Shuttle Program Integration (SSP PI) is one functional element of a much larger contract (Space Program Operations Contract) to perform complete end-to-end Space Shuttle Operations including the orbiter vehicle hardware. This investment addresses only the specific PI element and only the information technology costs of that element (direct labor, materials and other direct IT costs) - not the entire programmatic or contractor indirect costs. Space Shuttle Program Integration includes elements managed by the Space Shuttle Program Office at the Johnson Space Center (JSC) and conducted primarily by United Space Alliance, including payload integration into the Space Shuttle, systems integration of the flight hardware elements through all phases of flight, and configuration management of program hardware, software, and requirements. These systems are the tools the program uses to manage and integrate the various program elements and are critical to Shuttle operations. If these systems are degraded or non-operational, the safety and reliability can be greatly affected. The information technology parts of SSP PI include such applications as Baseline Accounting and Reporting System, Mission Requirements Control System, Automated Scheduling and Planning, Automated Mission & Payload Tracking System, Shuttle Drawing System, Program Compliance Assurance and Status System, Shuttle Integration Accounting Status System, Verification Information System, Work Authorizing Documentation System, Waivers/Exceptions, Operations and Maintenance Requirements and Specifications Change Processing, Document Configuration Management System, Technical Document Management System 2, Shuttle Payload Integration and Cargo Evaluation System, Critical Math Model Database, Launch Management System. The major expenses are either sustaining or migrating mainframe projects to a web-based, client-server environment. This also includes the cost allocations for the office automation services supporting the employees of this function.</p>	
9. Did the Agency's Executive/Investment Committee approve this request?	
yes	
9.a. If "yes," what was the date of this approval?	
2008-06-19	
10. Did the Program/Project Manager review this Exhibit?	
yes	
11. Program/Project Manager Name:	
John H. Casper	
Program/Project Manager Phone:	
(281) 483-3191	
Program/Project Manager Email:	
john.h.casper@nasa.gov	
11.a. What is the current FAC-P/PM certification level of the project/program manager?	
Senior/Expert/DAWIA-Level 3	
11.b. When was the Program/Project Manager Assigned?	

2008-01-14	
11.c. What date did the Program/Project Manager receive the FACP/PM certification? If the certification has not been issued, what is the anticipated date for certification?	
2008-08-08	
12. Has the agency developed and/or promoted cost effective, energy-efficient and environmentally sustainable techniques or practices for this project.	
yes	
12.a. Will this investment include electronic assets (including computers)?	
yes	
12.b. Is this investment for new construction or major retrofit of a Federal building or facility? (answer applicable to non-IT assets only)	
no	
13. Does this investment directly support one of the PMA initiatives?	
yes	
If yes, select the initiatives that apply:	
<input type="checkbox"/> Budget Performance Integration <input type="checkbox"/> Competitive Sourcing <input type="checkbox"/> Human Capital	
13.a. Briefly and specifically describe for each selected how this asset directly supports the identified initiative(s)? (e.g. If E-Gov is selected, is it an approved shared service provider or the managing partner?)	
<p>The internal NASA web allows for electronic access to report data for the entire program, i.e. program performance indicators across the SSP. The system creates electronic access to SSP schedule, and technical performance milestones data. The internal NASA web allows for electronic access to report data for the entire program, i.e. program performance indicators across the SSP including financial performance and strategic human capitalization involving competitive contractor outsourcing.</p>	
14. Does this investment support a program assessed using the Program Assessment Rating Tool (PART)?	
yes	
14.a. If yes, does this investment address a weakness found during the PART review?	
no	
14.b. If yes, what is the name of the PARTed program?	
10000346 - Space Shuttle	
14.c. If yes, what rating did the PART receive?	
Adequate	
15. Is this investment for information technology?	
yes	
16. What is the level of the IT Project (per CIO Council's PM Guidance)?	
Level 3	
17. What project management qualifications does the Project Manager have? (per CIO Council's PM Guidance)	
(1) Project manager has been validated as qualified for this investment	
18. Is this investment identified as high risk on the Q4 - FY 2008 agency high risk report (per OMB memorandum M-05-23)?	
no	
19. Is this a financial management system?	
no	
20. What is the percentage breakout for the total FY2010 funding request for the following? (This should total 100%)	
Hardware	5
Software	5
Services	1

Other	89																																			
21. If this project produces information dissemination products for the public, are these products published to the Internet in conformance with OMB Memorandum 05-04 and included in your agency inventory, schedules and priorities?																																				
n/a																																				
22. Contact information of individual responsible for privacy related questions.																																				
Name																																				
Herbert J. Babineaux, Jr.																																				
Phone Number																																				
281-483-4263																																				
Title																																				
JSC Privacy Act Manager																																				
Email																																				
herbert.j.babineaux@nasa.gov																																				
23. Are the records produced by this investment appropriately scheduled with the National Archives and Records Administration's approval?																																				
yes																																				
24. Does this investment directly support one of the GAO High Risk Areas?																																				
no																																				
SUMMARY OF SPEND																																				
1. Provide the total estimated life-cycle cost for this investment by completing the following table. All amounts represent budget authority in millions, and are rounded to three decimal places. Federal personnel costs should be included only in the row designated Government FTE Cost, and should be excluded from the amounts shown for Planning, Full Acquisition, and Operation/Maintenance. The total estimated annual cost of the investment is the sum of costs for Planning, Full Acquisition, and Operation/Maintenance. For Federal buildings and facilities, life-cycle costs should include long term energy, environmental, decommissioning, and/or restoration costs. The costs associated with the entire life-cycle of the investment should be included in this report.																																				
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(Estimates for BY+1 and beyond are for planning purposes only and do not represent budget decisions)																																				
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Note: For the cross-agency investments, this table should include all funding (both managing partner and partner agencies).																																				
Government FTE Costs should not be included as part of the TOTAL represented.																																				
2. Will this project require the agency to hire additional FTE's?																																				
no																																				
3. If the summary of spending has changed from the FY2009 President's budget request, briefly explain those changes.																																				
No Changes																																				

PERFORMANCE

In order to successfully address this area of the exhibit 300, performance goals must be provided for the agency and be linked to the annual performance plan. The investment must discuss the agency's mission and strategic goals, and performance measures (indicators) must be provided. These goals need to map to the gap in the agency's strategic goals and objectives this investment is designed to fill. They are the internal and external performance benefits this investment is expected to deliver to the agency (e.g., improve efficiency by 60 percent, increase citizen participation by 300 percent a year to achieve an overall citizen participation rate of 75 percent by FY 2xxx, etc.). The goals must be clearly measurable investment outcomes, and if applicable, investment outputs. They do not include the completion date of the module, milestones, or investment, or general goals, such as, significant, better, improved that do not have a quantitative measure.

Agencies must use the following table to report performance goals and measures for the major investment and use the Federal Enterprise Architecture (FEA) Performance Reference Model (PRM). Map all Measurement Indicators to the corresponding Measurement Area and Measurement Grouping identified in the PRM. There should be at least one Measurement Indicator for each of the four different Measurement Areas (for each fiscal year). The PRM is available at www.egov.gov. The table can be extended to include performance measures for years beyond the next President's Budget.

	Fiscal Year	Strategic Goal Supported	Measurement Area	Measurement Grouping	Measurement Indicator	Baseline	Planned Improvement to the Baseline	Actual Results
1	2008	Goal 1: Fly the Shuttle as safely as possible until its retirement, not later than 2010.	Technology	Service Availability	Monthly percentage of unplanned or unscheduled outage supports the agency's goal of maintaining high system reliability and helps ensures space access	Availability of systems: Standards of Excellence (SOE) = 99% Maximum Error Rate (MER) = >97%	Maintain 99% or better availability each year from 2005 to 2011	99.99% YTD
2	2009	Goal 1: Fly the Shuttle as safely as possible until its retirement, not later than 2010.	Technology	Service Availability	Monthly percentage of unplanned or unscheduled outage supports the agency's goal of maintaining high system reliability and helps ensures space access	Availability of systems: Standards of Excellence (SOE) = 99% Maximum Error Rate (MER) = >97%	Maintain 99% or better availability each year from 2005 to 2011	TBD
3	2010	Goal 1: Fly the Shuttle as safely as possible until its retirement, not later than 2010.	Technology	Service Availability	Monthly percentage of unplanned or unscheduled outage supports the agency's goal of maintaining high system reliability and helps ensures space access	Availability of systems: Standards of Excellence (SOE) = 99% Maximum Error Rate (MER) = >97%	Maintain 99% or better availability each year from 2005 to 2011	TBD
4	2008	Goal 1: Fly the Shuttle as safely as possible until its retirement, not later than 2010.	Customer Results	Delivery Time	Annual percentage On-Time Delivery of PI Technical Information Systems IT products support both the Programs overall reliability and ensure affordability of the systems	On-time Delivery of PI Technical Information Systems IT Products - Standards of Excellence (SOE) = 95% Expectation = 80% Maximum Error Rate (MER) = >80%	Re-establish SOE of 95% on-time delivery each year from 2006 to 2011	97.50% YTD
5	2009	Goal 1: Fly the Shuttle	Customer Results	Delivery Time	Annual percentage On-Time Delivery	On-time Delivery of PI Technical	Re-establish SOE of 95%	TBD

		as safely as possible until its retirement, not later than 2010.			of PI Technical Information Systems IT products support both the Programs overall reliability and ensure affordability of the systems	Information Systems IT Products - Standards of Excellence (SOE) = 95% Expectation = 80% Maximum Error Rate (MER) = >80%	on-time delivery each year from 2005 to 2011	
6	2010	Goal 1: Fly the Shuttle as safely as possible until its retirement, not later than 2010.	Customer Results	Delivery Time	Annual percentage On-Time Delivery of PI Technical Information Systems IT products support both the Programs overall reliability and ensure affordability of the systems	On-time Delivery of PI Technical Information Systems IT Products - Standards of Excellence (SOE) = 95% Expectation = 80% Maximum Error Rate (MER) = >80%	Re-establish SOE of 95% on-time delivery each year from 2005 to 2011	TBD
7	2008	Goal 1: Fly the Shuttle as safely as possible until its retirement, not later than 2010.	Processes and Activities	Errors	Monthly average of 4 or less DRs across released PI applications supports both the Programs overall reliability and ensures affordability of the systems.	Monthly average of 4 or less DRs across released PI applications Standards of Excellence (SOE) = 4 or less Discrepancy Reports (DRs) Expectation = 5 to 7 DRs Maximum Error Rate (MER) = 8 DRs	Maintain SOE of 4 or less discrepancies (DRs) against Program Integration (PI) released applications each year from 2006 to 2011	0 DRs per month YTD
8	2009	Goal 1: Fly the Shuttle as safely as possible until its retirement, not later than 2010.	Processes and Activities	Errors	Monthly average of 4 or less DRs across released PI applications supports both the Programs overall reliability and ensures affordability of the systems.	Monthly average of 4 or less DRs across released PI applications Standards of Excellence (SOE) = 4 or less Discrepancy Reports (DRs) Expectation = 5 to 7 DRs Maximum Error Rate (MER) = 8 DRs	Maintain SOE of 4 or less discrepancies (DRs) against Program Integration (PI) released applications each year from 2005 to 2011	TBD
9	2010	Goal 1: Fly the Shuttle as safely as possible until its retirement, not later than 2010.	Processes and Activities	Errors	Monthly average of 4 or less DRs across released PI applications supports both the Programs overall reliability and ensures affordability of the systems.	Monthly average of 4 or less DRs across released PI applications Standards of Excellence (SOE) = 4 or less Discrepancy Reports (DRs) Expectation = 5 to 7 DRs Maximum Error Rate (MER) = 8 DRs	Maintain SOE of 4 or less discrepancies (DRs) against Program Integration (PI) released applications each year from 2005 to 2011	TBD
10	2008	Goal 1: Fly the Shuttle as safely as possible	Customer Results	Customer Satisfaction	End User Satisfaction through the measurement of	Maintain Standards of Excellence (SOE) of 100% user satisfaction for	Obtain 100% end user satisfaction.	100% YTD

		until its retirement, not later than 2010.			number of CRs implemented to users satisfaction.	implementation of CRs.		
11	2009	Goal 1: Fly the Shuttle as safely as possible until its retirement, not later than 2010.	Customer Results	Customer Satisfaction	End User Satisfaction through the measurement of number of CRs implemented to users satisfaction.	Maintain Standards of Excellence (SOE) of 100% user satisfaction for implementation of CRs.	Obtain 100% end user satisfaction.	TBD
12	2010	Goal 1: Fly the Shuttle as safely as possible until its retirement, not later than 2010.	Customer Results	Customer Satisfaction	End User Satisfaction through the measurement of number of CRs implemented to users satisfaction.	Maintain Standards of Excellence (SOE) of 100% user satisfaction for implementation of CRs.	Obtain 100% end user satisfaction.	TBD
13	2008	Goal 1: Fly the Shuttle as safely as possible until its retirement, not later than 2010.	Technology	Data Reliability and Quality	Accuracy of computer resource projections through the accuracy of CPU hour, DASD, and tape usage projections for total SSPO.	Maintain accuracy of resource projections of = > 85%	Maintain 85% or better	97.5% YTD Average
14	2009	Goal 1: Fly the Shuttle as safely as possible until its retirement, not later than 2010.	Technology	Data Reliability and Quality	Accuracy of computer resource projections through the accuracy of CPU hour, DASD, and tape usage projections for total SSPO.	Maintain accuracy of resource projections of = > 85%	Maintain 85% or better	TBD
15	2010	Goal 1: Fly the Shuttle as safely as possible until its retirement, not later than 2010.	Technology	Data Reliability and Quality	Accuracy of computer resource projections through the accuracy of CPU hour, DASD, and tape usage projections for total SSPO.	Maintain accuracy of resource projections of = > 85%	Maintain 85% or better	TBD
16	2008	Goal 1: Fly the Shuttle as safely as possible until its retirement, not later than 2010.	Mission and Business Results	Space Operations	Monthly percentage of unplanned or unscheduled outage supports the agency's goal of maintaining high system availability with no impact to safety, mission success or major program schedule milestones.	Availability of systems: Standards of Excellence (SOE) = 99% Maximum Error Rate (MER) = >97%	Maintain 99% or better availability each year from 2006 to 2011	99.99% YTD
17	2009	Goal 1: Fly	Mission and	Space	Monthly	Availability of	Maintain 99%	TBD

		the Shuttle as safely as possible until its retirement, not later than 2010.	Business Results	Operations	percentage of unplanned or unscheduled outage supports the agency's goal of maintaining high system availability with no impact to safety, mission success or major program schedule milestones.	systems: Standards of Excellence (SOE) = 99% Maximum Error Rate (MER) = >97%	or better availability each year from 2006 to 2011	
18	2010	Goal 1: Fly the Shuttle as safely as possible until its retirement, not later than 2010.	Mission and Business Results	Space Operations	Monthly percentage of unplanned or unscheduled outage supports the agency's goal of maintaining high system availability with no impact to safety, mission success or major program schedule milestones.	Availability of systems: Standards of Excellence (SOE) = 99% Maximum Error Rate (MER) = >97%	Maintain 99% or better availability each year from 2006 to 2011	TBD

EA

In order to successfully address this area of the business case and capital asset plan you must ensure the investment is included in the agency's EA and Capital Planning and Investment Control (CPIC) process, and is mapped to and supports the FEA. You must also ensure the business case demonstrates the relationship between the investment and the business, performance, data, services, application, and technology layers of the agency's EA.

1. Is this investment included in your agency's target enterprise architecture?

yes

2. Is this investment included in the agency's EA Transition Strategy?

yes

2.a. If yes, provide the investment name as identified in the Transition Strategy provided in the agency's most recent annual EA Assessment.

JSC Space Shuttle Program Integration

3. Is this investment identified in a completed (contains a target architecture) and approved segment architecture?

yes

3.a. If yes, provide the six digit code corresponding to the agency segment architecture. The segment architecture codes are maintained by the agency Chief Architect.

463-000

4. Identify the service components funded by this major IT investment (e.g., knowledge management, content management, customer relationship management, etc.). Provide this information in the format of the following table. For detailed guidance regarding components, please refer to <http://www.whitehouse.gov/omb/egov/>.

Component: Use existing SRM Components or identify as NEW. A NEW component is one not already identified as a service component in the FEA SRM.

Reused Name and UPI: A reused component is one being funded by another investment, but being used by this investment. Rather than answer yes or no, identify the reused service component funded by the other investment and identify the other investment using the Unique Project Identifier (UPI) code from the OMB Ex 300 or Ex 53 submission.

Internal or External Reuse?: Internal reuse is within an agency. For example, one agency within a department is reusing a service component provided by another agency within the same department. External reuse is one agency within a department reusing a service component provided by another agency in another department. A good example of this is an E-Gov initiative service being reused by multiple organizations across the federal government.

Funding Percentage: Please provide the percentage of the BY requested funding amount used for each service component listed in the table. If external, provide the funding level transferred to another agency to pay for the service.

	Agency Component Name	Agency Component Description	Service Type	Component	Reused Component Name	Reused UPI	Internal or External Reuse?	Funding %
1	Change Management	PI manages changes through formal processing of Support Requests (SRs), Software Change Requests (SCRs), and Software Work Requests (SWRs)	Management of Processes	Change Management			No Reuse	25
2	Requirements Management	PI manages requirements through a Defined Software Development Lifecycle that includes defined documentation and approval processes.	Management of Processes	Requirements Management			No Reuse	25
3	Quality Management	PI manages quality by using the standard USA Quality Management policies, procedures and processes.	Management of Processes	Quality Management			No Reuse	10
4	Document Imaging and OCR	PI uses Hewlett Packard scanners and software in accordance with company standards	Document Management	Document Imaging and OCR			No Reuse	5
5	Document Referencing	PI documents are stored in Documentum and made available through a web interface	Document Management	Document Referencing			No Reuse	4
6	Document Revisions	PI controls document revision through use of a defined life cycle and revision control functionality with Documentum	Document Management	Document Revisions			No Reuse	2
7	Library / Storage	PI documents are posted in Documentum and are made available through a web interface	Document Management	Library / Storage			No Reuse	2
8	Document Review and Approval	PI manages document review and approval in accordance with published company and Program procedures	Document Management	Document Review and Approval			No Reuse	2
9	Document Conversion	PI uses Adobe Acrobat to render documents in a viewable format	Document Management	Document Conversion			No Reuse	2
10	Indexing	PI uses Documentum to provide document indexing	Document Management	Indexing			No Reuse	2
11	Classification	PI classifies documents using predefined attributes in Documentum	Document Management	Indexing			No Reuse	2

12	Computers / Automation Management	PI computing assets are managed in CTS	Asset / Materials Management	Computers / Automation Management			No Reuse	2
13	Legacy Integration	PI manages integration with legacy systems by coding interfaces as documented in ICDs/IDAs	Development and Integration	Legacy Integration			No Reuse	2
14	Data Integration	PI manages integration with legacy systems by coding interfaces as documented in ICDs/IDAs	Development and Integration	Data Integration			No Reuse	2
15	Software Development	PI manages software development through a defined Software Development Life Cycle	Development and Integration	Software Development			No Reuse	2
16	User Management	PI uses an automated web-based Computer User Registration Form (CURF) process for user management	Customer Relationship Management	NEW			No Reuse	1
17	Resource Monitoring	PI performs resource monitoring through a monthly review of resource usage with the service provider	Systems Management	System Resource Monitoring			No Reuse	1
18	Resource Monitoring	PI performs resource monitoring through a monthly review of resource usage with the service provider	Systems Management	System Resource Monitoring			No Reuse	1
19	Resource Monitoring	PI performs resource monitoring through a monthly review of resource usage with the service provider	Systems Management	System Resource Monitoring			No Reuse	1
20	Resource Monitoring	PI performs resource monitoring through a monthly review of resource usage with the service provider	Systems Management	System Resource Monitoring			No Reuse	1
21	Resource Monitoring	PI performs resource monitoring through a monthly review of resource usage with the service provider	Systems Management	System Resource Monitoring			No Reuse	1

5. To demonstrate how this major IT investment aligns with the FEA Technical Reference Model (TRM), please list the Service Areas, Categories, Standards, and Service Specifications supporting this IT investment.

FEA SRM Component: Service Components identified in the previous question should be entered in this column. Please enter multiple rows for FEA SRM Components supported by multiple TRM Service Specifications.

Service Specification: In the Service Specification field, Agencies should provide information on the specified technical standard or vendor product mapped to the FEA TRM Service Standard, including model or version numbers, as appropriate.

	SRM Component	Service Area	Service Category	Service Standard	Service Specification (i.e., vendor and product name)
1	Requirements Management	Service Access and Delivery	Service Requirements	Legislative / Compliance	Macromedia Lift
2	Access Control	Service Access and Delivery	Service Requirements	Authentication / Single Sign-on	Microsoft NT, HP Identity Management
3	Computers / Automation Management	Service Access and Delivery	Service Requirements	Hosting	NASA/NASA Contractor
4	Computers / Automation Management	Service Access and Delivery	Service Transport	Supporting Network Services	TCP/IP
5	Computers / Automation Management	Service Platform and Infrastructure	Support Platforms	Independent Platform	J2EE
6	Computers / Automation Management	Service Platform and Infrastructure	Support Platforms	Dependent Platform	Microsoft Windows 2000, Microsoft Windows XP
7	Computers / Automation Management	Service Platform and Infrastructure	Delivery Servers	Application Servers	Silver Stream, BEA WebLogic, Macromedia Cold Fusion
8	Software Development	Service Platform and Infrastructure	Software Engineering	Integrated Development Environment	Macromedia Dreamweaver, Microsoft Studio
9	Change Management	Service Platform and Infrastructure	Software Engineering	Software Configuration Management	PVCS, Visual Source Safe
10	Computers / Automation Management	Service Platform and Infrastructure	Software Engineering	Test Management	Mercury Interactive WinRunner/Loadrunner
11	Computers / Automation Management	Service Platform and Infrastructure	Software Engineering	Modeling	ER Win
12	Computers / Automation Management	Service Platform and Infrastructure	Database / Storage	Database	Oracle, Microsoft Access, Microsoft SQL Server
13	Library / Storage	Service Platform and Infrastructure	Database / Storage	Storage	EMC SAN
14	Computers / Automation Management	Service Platform and Infrastructure	Hardware / Infrastructure	Servers / Computers	HP NT Server, HP Unix Server, Sun Unix Server, MVS Mainframe
15	Computers / Automation Management	Service Platform and Infrastructure	Hardware / Infrastructure	Peripherals	HP LaserJet
16	Indexing	Component Framework	User Presentation / Interface	Content Rendering	HTML, JavaScript, CSS, XML
17	Computers / Automation Management	Component Framework	Business Logic	Dependent Platform	Microsoft Access, Microsoft VB, Microsoft C++
18	Data Integration	Component Framework	Data Interchange	Data Exchange	XML, ODBC, JDBC

19	Computers / Automation Management	Service Interface and Integration	Integration	Middleware	PL/SQL
20	Data Integration	Service Interface and Integration	Interoperability	Data Format / Classification	XML
21	Data Integration	Service Interface and Integration	Interoperability	Data Types / Validation	Oracle, Microsoft Access, Microsoft SQL Server
22	Data Integration	Service Interface and Integration	Interoperability	Data Transformation	There are numerous systems that make up the Program Integration investment and each individual data transformation may be unique. Not only are they unique, they usually require some application of complex logic to select, join, and convert the data.
23	Data Integration	Service Interface and Integration	Interoperability	Data Transformation	There are numerous systems that make up the Program Integration investment and each individual data transformation may be unique. Not only are they unique, they usually require some application of complex logic to select, join, and convert the data.
24	Data Integration	Service Interface and Integration	Interoperability	Data Transformation	There are numerous systems that make up the Program Integration investment and each individual data transformation may be unique. Not only are they unique, they usually require some application of complex logic to select, join, and convert the data.
25	Data Integration	Service Interface and Integration	Interoperability	Data Format / Classification	XML

6. Will the application leverage existing components and/or applications across the Government (i.e., FirstGov, Pay.Gov, etc)?

no

PART THREE

RISK

You should perform a risk assessment during the early planning and initial concept phase of the investment's life-cycle, develop a risk-adjusted life-cycle cost estimate and a plan to eliminate, mitigate or manage risk, and be actively managing risk throughout the investment's life-cycle.

Answer the following questions to describe how you are managing investment risks.

1. Does the investment have a Risk Management Plan?

yes

1.a. If yes, what is the date of the plan?

2007-09-01

1.b. Has the Risk Management Plan been significantly changed since last year's submission to OMB?

no

COST & SCHEDULE

1. Was operational analysis conducted?

yes

1.a. If yes, provide the date the analysis was completed.

2008-04-01

What were the results of your operational analysis?

An Operational Analysis is not performed at discrete milestones within the lifecycle of the Space Shuttle Program and its operations support contracts SFOC/SPOC. Continuous operational assessments are performed on capital assets to determine their performance and effectiveness in meeting critical mission operations objectives. A Performance Measurement System is used to track and monitor monthly key metrics to evaluate the effectiveness, efficiency, productivity, availability, reliability, security, etc. of capital assets. Operations and maintenance costs associated with these capital assets are reviewed monthly in conjunction with the metrics to identify any early warning indicators that may impact lifecycle costs and performance goals. These data are used to reprioritize operations and maintenance costs to underperforming assets and/or the requests for new funding in annual Program Operating Plan inputs.